

Title (en)  
AN ELECTROLYSIS SYSTEM WITH A BUFFER TANK

Title (de)  
ELEKTROLYSESYSTEM MIT PUFFERTANK

Title (fr)  
SYSTÈME D'ÉLECTROLYSE AVEC RÉSERVOIR TAMPON

Publication  
**EP 4281603 A1 20231129 (EN)**

Application  
**EP 22741420 A 20220119**

Priority  
• DK PA202100069 A 20210122  
• DK 2022050008 W 20220119

Abstract (en)  
[origin: WO2022156868A1] An electrolysis system with a buffer tank An electrolysis system for production of hydrogen and/or oxygen comprising a stack of electrolysis cells inside a pressure vessel (18). Each electrolysis cell in the stack comprises a membrane (82A, 82B) and a cassette (12) made of a bipolar plate (74) sand-wiched by a cathode (30B) and an anode (78) forming a cathode compartment and an anode compartment on each side of the bipolar plate (74). The stack is enclosed in a container constituting a buffer container for storing hydrogen released in the stack. The stack has an outlet constituting a hydrogen outlet for flow of hydrogen gas into said buffer container for filling the buffer container with hydrogen gas.

IPC 8 full level  
**C25B 9/05** (2021.01); **C25B 1/04** (2021.01)

CPC (source: DK EP)  
**C25B 1/04** (2013.01 - DK EP); **C25B 9/05** (2021.01 - DK EP); **C25B 9/75** (2021.01 - EP); **C25B 9/77** (2021.01 - EP); **C25B 15/023** (2021.01 - EP); **Y02E 60/36** (2013.01 - EP)

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Designated extension state (EPC)  
BA ME

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KH MA MD TN

DOCDB simple family (publication)  
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